

METHOD, SYSTEM AND COMPUTER PROGRAM PRODUCT TO PARTITION FILTER RULES FOR EFFICIENT ENFORCEMENT

ABSTRACT

5 The effectiveness of a Network Processor to process data at media speed is enhanced by partitioning a Rules Database, used to filter and/or forward frames, into at least one set of Almost-Exact Rules and Other Rules. The Almost-Exact Rules are processed by a Full Match (FM) Tree Search Algorithm and the Other Rules are processed by a Software Managed Tree (SMT) algorithm.